

APPENDIX C

FIRE SUPPORT DOCUMENTS

This appendix implements STANAG 2014, Edition 5, and QSTAG 506, Edition 1, and STANAG 2031, Edition 5, and QSTAG 515, Edition 1.

The operation order displays in a written format the commander's selected course of action, his concept of the operation, and all guidance given during the planning of the operation. It merges maneuver, fires, combat

support, and combat service support into a synchronized operation. In this appendix, the OPORD format is shown and fire support documents have been incorporated into the OPORD.

GLOSSARY FOR EXAMPLE OPERATION ORDER

A = as acquired (attack matrix)	DSA = division support area
ammo = ammunition	ENG = engineer (attack matrix)
AOF = azimuth of fire	engr = engineer
APDS = armor-piercing discarding sabot	ERP = engineer reconnaissance patrol
APFSDS = armor-piercing, fin-stabilized, discarding sabot	FAAR = forward area alerting radar
ASP = ammunition supply point	FAST = forward area support team
ATP = ammunition transfer point	FFA = free-fire area
AVLB = armored vehicle-launched bridge	FS = fire support
az = azimuth	FSB = forward support battalion
BMP = Soviet amphibious Infantry combat vehicle	FSCL = fire support coordination line
BSA = brigade support area	GM = guided missile
BTR = Soviet amphibious armored personnel carrier	GMRD = guards motorized rifle division
CAA = combined arms army	H = howitzer (high-payoff target list)
CFZ = critical friendly zone	HP = high-payoff target (attack guidance matrix)
Chap = Chaparral	HPT = high-payoff target
CM = countermobility (mission)	HEMTT = heavy expanded mobility tactical truck
cml = chemical	I = Immediate (attack matrix)
Cphd = Copperhead	ICM = Improved conventional munitions
COP = command observation post (Soviet)	IGB = Intergovernmental boundary
counterprep = counterpreparation	Immed = Immediate
D = destroy (attack matrix)	ITR = Independent tank regiment
det = detachment	kmph = kilometers per hour
	KT = kiloton

GLOSSARY FOR EXAMPLE OPERATION ORDER (CONTINUED)

LIFT = type of ground transport target (attack matrix)	RSO = reconnaissance and survey officer
LOC = lines of communication (attack matrix)	RSTA = reconnaissance, surveillance, and target acquisition
LRRP = long-range reconnaissance patrol	REC = radio electronic combat (attack matrix)
M = mobility (mission); mortar (high-payoff target list)	RDO = radar deployment order
maint = maintenance	RAP = rocket-assisted projectile
MAN = maneuver (attack matrix)	S = survivability (engineer mission); suppress (attack guidance matrix)
MANT = maintenance (attack matrix mnemonic)	SASP = special ammunition supply point
MR = motorized rifle	std = standard
MRD = motorized rifle division	subs = subsequent
MRR = motorized rifle regiment	tm = team
MSR = main supply route	TR = tank regiment
MRL = multiple rocket launcher	TBP = to be published
N = neutralize (attack matrix)	TLE = target location error
N/CH = nuclear and chemical (attack matrix)	TTC = TOC team chief (attack matrix)
obs = observation	VBK = Verteidigungsbezirkskommando (military region command) (German home defense unit)
P = plan (attack matrix)	vic = vicinity
PNL = prescribed nuclear load	WBK = Wehrbereichskommando (military district command) (German home defense unit)
prep = preparation	
RAG = regimental army group	

EXAMPLE OPERATION ORDER

(Classification)

Copy No ____ of ____ copies
2d Bde, 23d Armd Div
GORZHAIN (NB283302), GERMANY
040600Z July ____
JTM

OPERATION ORDER COSMIC

Reference: Map, USACGSC 50-264, BAD HERSFELD-ALSFELD, edition 1977, 1:50,000.

Time Zone Used Throughout the Order: ZULU.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

Task Organization:

TF 1-14 Armor

1-14 Armor(-)
B/1-92 Mech
3/C/1-440 ADA (Vulcan) (OPCON)
3/4/C/1-440 ADA (Stinger)
2/B/23d Engr (DS)
2/2/B/23d MI Bn(-) (DS)

TF 1-92 Mech

1-92 Mech(-)
B/1-14 Armor
2/C/1-440 ADA (Vulcan) (OPCON)
2/4/C/1-440 ADA (Stinger)
3/B/23d Engr (DS)
4/2/2/B/23d MI Bn(-) (DS)

1-12 Armor

4/4/C/1-440 ADA (Stinger) (OPCON)

Bde Control

1-51 FA (155, SP) (DS)
2-636 FA (155, SP) (GSR 1-51 FA)
C/1-440 ADA (-) (Vulcan) (DS)
1/C/1-432 ADA (Chap)
FAAR 3&4
B/23d Engr(-) (OPCON)
Tm B/23d MI Bn (-) (DS)
2/23 MP Co (DS)
2d FSB (DS)

1. SITUATION (Refer to Annex A [Sketches].)

a. Enemy Forces.

(1) Enemy Situation. Motorized rifle and tank regiments of the 8th CAA can attack in the brigade sector within 8 to 10 hours. At the initiation of hostilities, Threat units will be at 95 percent strength. First-echelon regiments are equipped with BTRs and T-55 tanks. Second-echelon MRRs have BMPs. At the FEBA, lead-echelon units will be at or near 70 percent strength. Second-echelon units will be 95 to 100 percent. The enemy can air assault a battalion-size force to seize crossing sites across the FULDA River. The enemy can achieve local air superiority for limited periods of time. We can also expect the enemy division objectives to be west of the FULDA River. See Appendix 1 (Threat Sketch) to Annex A (Sketches).

(2) Terrorist. Spetznaz teams and LRRPs can be expected in the BSA vicinity of IMMECHIHEIM.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

b. Friendly Forces.

(1) Appendix 2 (Friendly Sketch) to Annex A (Sketches).

(2) 23d Armd Div defends in sector from NB718485 to NB655095 to destroy first-echelon assault divisions of the 8th CAA. Division intent is to maintain the FEBA on the FULDA River and be prepared to counterattack east to reestablish the IGB.

(3) TF 1-22 (division cav squadron plus A/1-91 Mech) in the north screens in sector from NB535480 to NB510370.

(4) 3d Bde, the division main effort in the south, defends in sector from NB408227 to NB443065 to defeat 39th GMRD.

(5) TF STAR (consisting of 208 ACR, TF 1-13 Armor, and TF 2-141 Mech) defends in sector from NB718485 to NB655095 to PL SABER to destroy first-echelon MRRs.

(6) 1st Bde is division reserve in AA OMEGA. On order 1st Bde counterattacks along Axis COUGAR to destroy ITR in Objective HAWK.

(7) 23d CAB provides rear area security and is division reserve in AA BILL.

(8) WBK 4, VBK 44, and VBK 43 control civil and territorial forces in sector.

2. MISSION

2d Bde defends in sector from NB495345 to NB408227 to defeat the 4th MRD (-).

3. EXECUTION

a. Concept of Operation. Intent of the 2d Bde commander is to destroy the 4th MRD in sector between the FEBA and PL JAY to support the division counterattack. At the end of the operation, the brigade should be in a position to continue the defense along PL JAY to begin the destruction of second-echelon divisions.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

(1) Maneuver. 2d Bde defends in sector with two task forces along the FEBA and one task force in reserve. TF 1-92 Mech will defend in sector in the north, and TF 1-14 Armor defends in sector in the south. 1-12 Armor is the brigade reserve in AA JOYCE. Operations will begin with battle hand-over from TF STAR at PL SABER. TFs will then assist passage of TF STAR on Routes NANCY and LYNN. Before battle hand-over, brigade will use EW assets to locate enemy division CPs and CPs of second-echelon regiments and battalions. CAS, FA, and EW will be used to attack these deep targets to slow their arrival and deployment. TFs will complete destruction of lead MRRs at the FEBA and begin destruction of second-echelon MRRs. Brigade main effort is TF 1-14 Armor. 2d Bde will continue destroying second-echelon MRRs as it delays to PL JAY. At PL JAY, TFs will defend to complete the destruction of second-echelon MRRs. 2d Bde will counterattack to destroy enemy forces that have penetrated the sector in depth. The counterattack will be conducted after TF 1-14 Armor has completed the delay to PL JAY. 1-12 Armor becomes the brigade main effort and moves along Axis PUMA. 1-12 Armor counterattacks enemy forces by fire vicinity Objective HORSE. After completely destroying enemy forces vicinity Objective HORSE, 1-12 Armor returns to AA JOYCE. TF 1-14 Armor becomes the brigade reserve until 1-12 Armor begins its return to AA JOYCE. Then 1-12 Armor resumes its role as brigade reserve. The brigade reserve TF defends against Level III Threat in brigade rear area.

(2) Fires. Priority of fires to TF 1-14 Armor, on order 1-12 Armor for counterattack. Copperhead priority--for use against command vehicles and AVLBS before deployment--to TF elements assisting with battle hand-over initially and then to TF 1-14 Armor. Brigade will plan a 10-minute counterprep to be fired when Threat forces try to cross the FULDA.

(3) Counterair Priority. Counterair priority of effort will be in the MBA to protect maneuver forces from enemy CAS and to retain freedom of movement. Priority for protection, in order, to TF 1-14 Armor, TF 1-92 Mech, brigade reserve, and brigade CP. Weapon control status is TIGHT. AD warning is RED.

(4) Intelligence. Priority of intelligence efforts will be to locating the second-echelon units and command elements. Early location of second-echelon maneuver units will facilitate

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

attack to separate echelons and slow their arrival in the MBA. Priority of intelligence targets is: division main CP, division forward CP, regimental CPs, RAGs, tank battalions, and MR battalions.

(5) Electronic Warfare. Priority of jamming to Threat division C2, second-echelon MRR C2, fire control, and aviation nets.

(6) Engineer. Engineers will emplace obstacles to reinforce the FEBA and to deny the enemy the west bank of the FULDA River. Countermobility priority of support is to TF 1-14 Armor then to TF 1-92 Mech. Do not execute targets on route LYNN or NANCY without approval of responsible task force commander. Brigade has four short-duration FA FASCAM minefields. Priority is to TF 1-14 Armor then to TF 1-92 Mech. Approval authority is the brigade commander. Refer to Annex D (Engineer Matrix).

b. Tasks to Maneuver Units.

(1) TF 1-14 Armor.

(a) Defend in sector from NB450289 to NB408227 to complete destruction of first-echelon MRR, and begin destruction of second-echelon MRR.

(b) On order, defend on PL JAY to complete destruction of second-echelon MRR.

(c) Brigade reserve during 1-12 Armor counterattack.

(2) TF 1-92 Mech.

(a) Defend in sector from NB495345 to NB450289 to complete destruction of first-echelon MRR, and begin destruction of second-echelon MRR.

(b) On order, defend on PL JAY to complete destruction of second-echelon MRR.

(c) Assist movement of 1-12 Armor on Axis PUMA.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

(3) 1-12 Armor.

(a) Brigade reserve. Occupy AA JOYCE vic NB2632.

(b) On order, defeat Level III Threat in brigade rear.

(c) On order, counterattack to destroy second-echelon forces at Objective HORSE vic NB3838.

c. Tasks to Combat Support Units.

(1) Fire Support.

(a) Air Support. Six CAS sorties available. TF 1-14 Armor has planning authority for two sorties. Brigade holds four sorties for counterattack.

(b) Chemical Support. Priority of support to TF 1-14 Armor then to 1-12 Armor when committed.

(c) Field Artillery Support. Priority of fires to TF 1-14 Armor, on order 1-12 Armor. TF 1-14 Armor plans two 400-meter by 400-meter standard FA-delivered FASCAM minefields. TF 1-92 Mech plans one standard FASCAM minefield and brigade holds one minefield. Long-duration FASCAM release held at division. Execute only on east side if enemy successfully crosses FULDA. TF 1-14 Armor has three platoon FPFs. Copperhead priority to TF elements assisting with battle hand-over initially and then to TF 1-14 Armor. Counterfire priorities: indirect fires affecting MBA units, COPs, and second-echelon RAGs. Brigade will plan a 10-minute counterpreparation to be fired as the Threat tries to force the FULDA.

(d) Nuclear Support.

1. Nuclear release authority is retained at corps. 23d Armd Div nuclear subpackage A is in effect for planning.

2. PNL:

<u>0.2 KT</u>	<u>1.0 KT</u>
4	4

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

(e) Fire Support Coordinating Instructions.

1. PL DICK is on-order corps FSCL. For planning purposes PL SABER is intended brigade CFL (TBP after complete battle hand-over along FULDA River). Division FFA in effect throughout operation vic ULRICHSTEIN (see OPLAN 6).

2. Attack Guidance Matrix.

<u>CATEGORY</u>	<u>HP NUMBER</u>	<u>WHEN</u>	<u>HOW</u>	<u>RESTRICTIONS</u>
1 (C ³)	25, 26	I	N/EW	COORDINATE ATTACK WITH S2
2 (FS)	1-8, 18-21	A	N	
3 (MAN)	43, 45, 50	A	N	
4 (ADA)	57, 61	A	N/S	CONSULT FSE
5 (ENG)	70, 71	I	N	
6 (RSTA)	86	A	N	
7 (REC)	16, 105	I	N	TLE <250
8 (N/CH)	81, 82, 19	A	N	CONSULT TTC/FSE
9 (POL)	115	A	D	
10 (AMMO)	119	P	D	TLE <300
11 (MANT)	126	P	N	NOT HPT
12 (LIFT)		P	N	
13 (LOC)		P	S	

3. Fire Support Execution Matrix. Refer to Annex C.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC --2d Bde, 23d Armd Div

(2) Engineer Support. Refer to Annex D (Engineer Matrix).

(3) Military Police. Priority of effort to battlefield circulation control, with priority to MSRs in TF 1-14 Armor sector and area security in BSA.

d. Coordinating Instructions.

(1) High-Payoff Target List

Priority	Category	Sheet Number	Description
1.	5 ENG	70, 71	Movement Support Det, ERP
2.	1 C ³	25, 26, 30, 31	MRR/MRD Forward and Main CP
3.	7 REC	16, 105	Radar Intercept, UHF/VHF Jamming Site
4.	2 FS	1-8, 18-21	FDCSS COPS, 122 mm, 152 mm 82 mm
5.	8 N/CH	19, 81, 82	MRLs , 203-mm H, 240-mm M
6.	3 MAN	43, 45, 50	Advance Guard, March Column
7.	4 ADA	57, 61, 62	SA-6 , SA-9, ZSU-23 4 Platoons
8.	6 RSTA	86	Div Recon Patrol

(2) PIR.

- (a) When and where will the 4th MRD commit its TR?
- (b) Employment of chemical or nuclear weapons?
- (c) Helicopter overflights?
- (d) Any Threat bridging attempts across the FULDA?

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bale, 23d Armd Div

- (3) On order, 2d Bde sector extends to PL DICK.
- (4) Maintain radio silence until battle hand-over.
- (5) Antiterrorism Actions. All rear base entrances will be barricaded to reduce traffic speed to a maximum of 10 kmph. Report any attack to the 2d FSB CP.

4. SERVICE SUPPORT

a. General. Concept of Logistic Support. Before the outbreak of hostilities, priority of effort will be to barrier haul. At the initiation of hostilities, priority shifts to movement and forward positioning of Class V and Class III. Priority on MSRs to TF 1-14 Armor, TF 1-92 Mech, 1-51 FA, and 2-636 FA; then to 1-12 Armor when committed.

b. Materiel and Services.

- (1) supply.
 - (a) Class I. A 2-day supply available at the forward supply section.
 - (b) Class II. A 1-day supply available of the DSA.
 - (c) Class IV. Barrier materials are command regulated. Priority to TF 1-14 Armor.
 - (d) Class V.

1. CSR:

	<u>D-Day</u>	<u>S-Day</u>
GM, TOW	5	4
155 mm (DPICM)	204	90
155 mm (ICM)	15	30
155 mm (ILLUM)	10	17

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bale, 23d Armd Div

155 mm (RAP)	25	10
155 mm (HE)	10	15
155 mm (WP)	10	10
155 mm (SMOKE)	10	15
155 mm (CPHD)	10	15
155 mm (ADAM)	2	7
155 mm (RAAMS)	7	8
120 mm (APFSDS)	35	26
25 mm (APDS)	120	120

2. Distribution locations:

ATP: BSA (MA270280)
 ASP 997 (MB770101)
 ASP 999 (MA800935)
 SASP: BOMBACH (MA530746)

(e) Class VII.

1. All tracked and wheeled vehicles, 2 1/2-ton truck and larger, are command regulated.

2. Critical shortage of 5-ton tractors.

(f) Class IX Shortages.

1. Engine M1500 and transmission X1100.

2. Engine HEMTT.

3. Transmission M2/M3.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

OPORD COSMIC--2d Bde, 23d Armd Div

- (2) Transportation. SOP.
- (3) Services. Priority to main effort.
- c. Medical Evacuation and Hospitalization. SOP.
- d. Personnel. SOP.
- e. Civil-Military Cooperation. SOP.

5. COMMAND AND SIGNAL

a. Command.

- (1) Tactical CP at NB377284. Future location at NB312268.
- (2) Main CP at NB283302. Future location at NB158283.
- (3) Rear CP at NB243223. Future location at NBO04203.
- (4) Alternate CP is 1-12 Armor CP.

b. Signal. SOI Index. 103-23.

Acknowledge.

WEIMAN
COL

OFFICIAL:
MULDOWNEY
S3

Annexes: A--Situation Sketches
B--Operation Overlay (TBP)
C--Fire Support Execution Matrix
D--Engineer Matrix
E--Brigade Target List
F--FA Support Plan

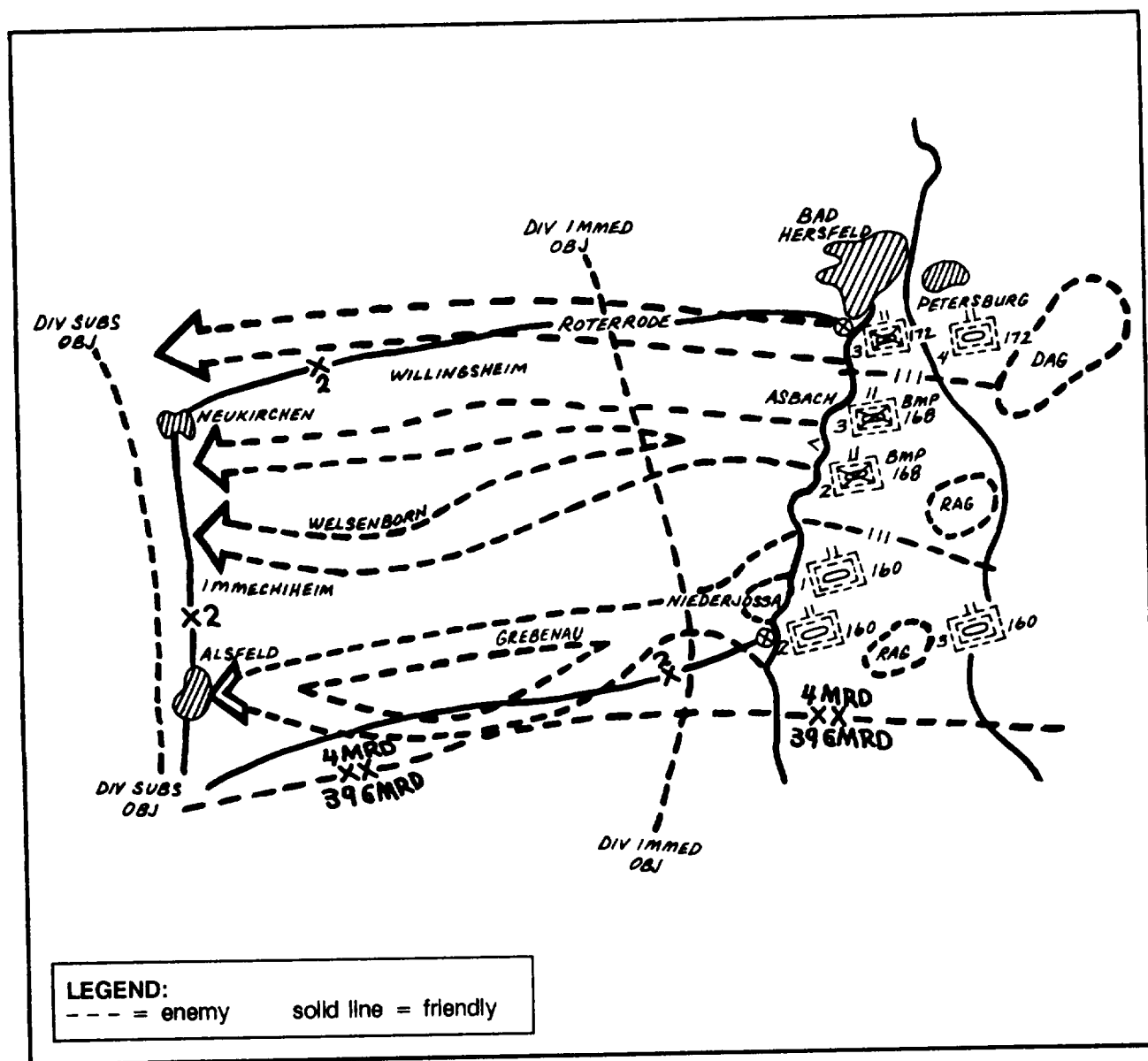
Distribution:

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 1 (THREAT SKETCH) TO ANNEX A (SKETCHES) TO OPORD
COSMIC--2d Bde, 23d Armd Div

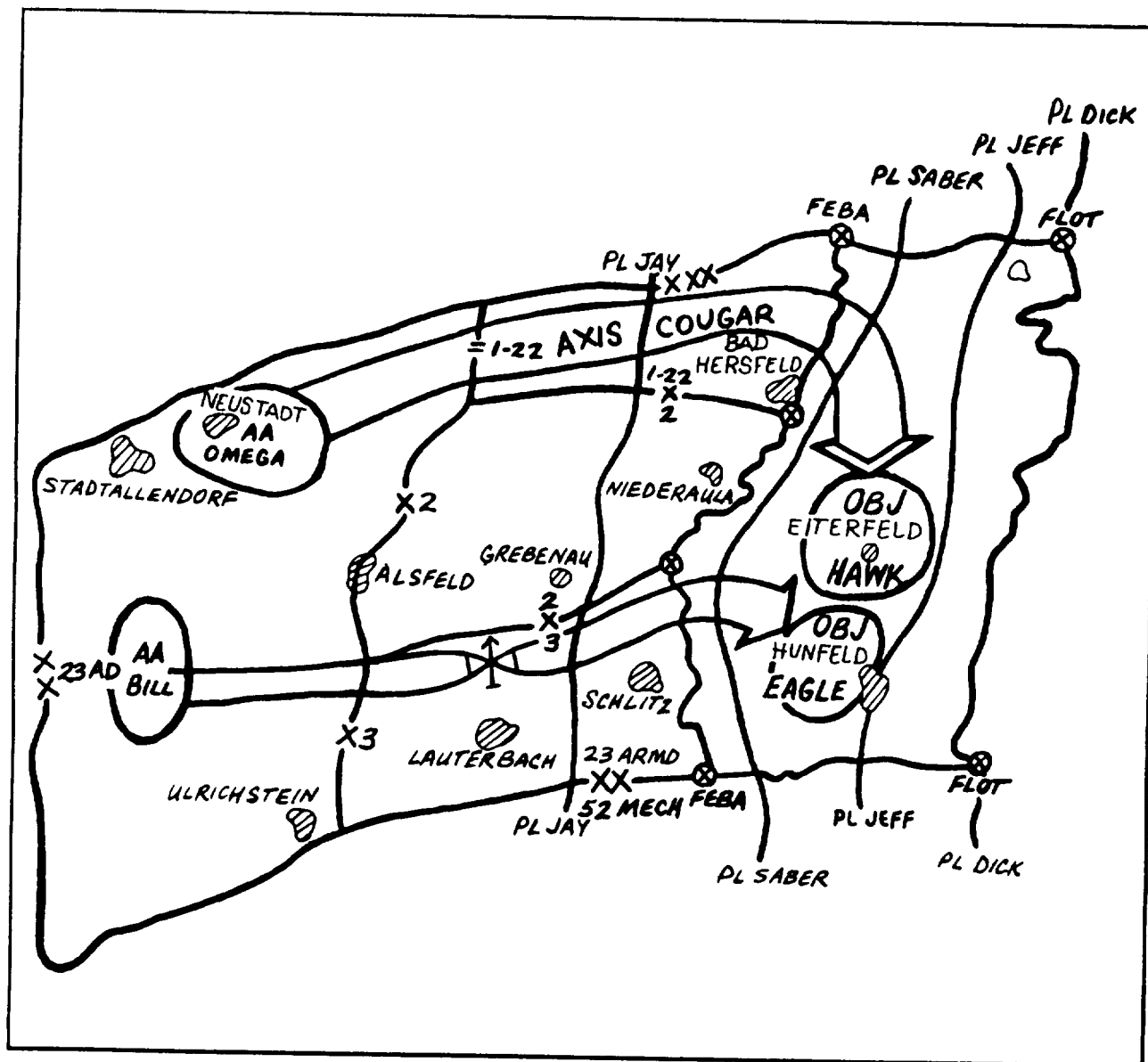


(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 2 (FRIENDLY SKETCH--23d ARMD DIV TO ANNEX A (SKETCHES)
TO OPOD COSMIC--2d Bale, 23d Armd Div



(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX C (FIRE SUPPORT EXECUTION MATRIX) TO OPORD COSMIC--2d Bale,
23d Armd Div

	PL SABER TO FEBA	FEBA TO PL JAY	COUNTERATTACK
1-12 ARMOR			PRIORITY FA COLT/CPHD FA SERIES GP 3, 6, 9
TF 1-14	PRIORITY FA COLT COPPERHEAD PRIORITY 2 FA PRIORITY TGTs GP 1, 2, 3	PRIORITY FA COLT/CPHD 3 FA PRI TGTs/FPF 2 STD FASCAM 2 CAS GP 6, 7, 8, 9 ACA RED	GP 2, 7, 8
TF 1-92	0/0 PRIORITY FA 2 FA PRIORITY TGTs GP 4, 5	1 FA PRIORITY TGT/FPF 1 STD FASCAM	GP 4, 5
2D BDE CONTROL	COUNTER PREP *****	1 STD FASCAM 4 CAS SORTIES	*****

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX D (ENGINEER MATRIX) TO OPORD COSMIC--2d Bale, 23d Armd Div

DAY	UNIT	MISSION	WHERE	ENG UNIT	HOW
1	TF 1-14 ARMOR	CM	FEBATO PL SABER	2/B/23	DS
				1/B/23	DS
	TF 1-92 MECH	CM	FEBATO PL SABER	3/B/23	DS
2	TF 1-14 ARMOR	CM	FEBATO PL SABER	2/B/23	DS
				1/B/23	DS
	TF 1-92 MECH	CM	FEBATO PL SABER	3/B/23	DS
3	TF 1-14 ARMOR	CM	PL JAY TO FEBATO	2/B/23	DS
				1/B/23	DS
	TF 1-92 MECH	CM	PL JAY TO FEBATO	3/B/23	DS
4	TF 1-14 ARMOR	S	MBA	1/B/23	DS
	TF 1-92 MECH	S	MBA	3/B/23	DS
	1-51 FA	S	MBA	2/B/23	DS
5	1-12 ARMOR	M	MBA	2/B/23	ATTACH
	TF 1-14 ARMOR	S	MBA	1/B/23	DS
	TF 1-92 MECH	S	MBA	3/B/23	DS
6+	1-12 ARMOR	M	MBA	2/B/23	ATTACH
	TF 1-14 ARMOR	CM	PL JAY TO REAR	1/B/23	DS
	TF 1-92 MECH	CM	PL JAY TO REAR	3/B/23	DS

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX E (TARGET LIST) TO OPORD COSMIC--2d Bale, 23d Armd Div

Reference: Map, USACGSC 50-264, BAD HERSFELD-ALSFELD, edition
1977, 1:50,000.

LINE NUMBER	TARGET NUMBER	DESCRIPTION	LOCATION
1	AC0001	ROAD INTERSECTION	490209
2	AC0002	SUSPECTED COP	494226
3	AC0003	ROAD INTERSECTION	483236
4	AC0004	CHOKE POINT	499245
5	AC0005	SUSPECTED COP	470248
6	AC0006	ROAD INTERSECTION	475260
7	AC0007	ROAD INTERSECTION	501276
8	AC0008	BRIDGE	513308
9	AC0009	ROAD INTERSECTION	552353
10	AC0010	ROAD INTERSECTION	508340
11	AC0010	ROAD INTERSECTION	569344
12	AC0012	ROAD INTERSECTION	529343
13	AC0013	CHOKE POINT	530284
14	AC0014	SUSPECTED COP	472284
15	AC0015	SUSPECTED COP	520328
16	AC0016	BRIDGE	506319
17	AC0017 (a)	CHOKE POINT	426241
18	AC0018 (a)	ROAD	425236
19	AC0019 (b)	ROAD INTERSECTION	418242
20	AC0020 (b)	BRIDGE	419248
21	AC0021 (c)	BRIDGE	433276
22	AC0022 (c)	ROAD	434269
23	AC0023 (d)	BRIDGE	461294
24	AC0024 (d)	POSSIBLE BRIDGE SITE	460297
25	AC0025 (e)	BRIDGE	476315
26	AC0026 (e)	ROAD INTERSECTION	473316
27	AC0027	ROAD INTERSECTION	494339
28	AC0028 (b)	BRIDGE	415247
29	AC0029	CHOKE POINT	450334
30	AC0030	ROAD	460322
31	AC0031	ROAD	456308
32	AC0032 (f)	ROAD INTERSECTION	421285
33	AC0033 (f)	ROAD INTERSECTION	420281
34	AC0034 (g)	ROAD	410244

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX E (TARGET LIST) TO OPORD COSMIC--2d Bale, 23d Armd Div

35	AC0035 (g)	ROAD INTERSECTION	408252
36	AC0036 (h)	ROAD INTERSECTION	389248
37	AC0037 (h)	ROAD INTERSECTION	388253
38	AC0038 (i)	ROAD INTERSECTION	404302
39	AC0039 (i)	ROAD INTERSECTION	408303
40	AC0040	ROAD INTERSECTION	412324
41	AC0041	CHOKE POINT	426350

* * * * *

REMARKS:

(a) Group A1C

(b) Group A2C

(c) Group A3C

(d) Group A4C

(e) Group A5C

(f) Group A6C

(g) Group A7C

(h) Group A8C

(i) Group A9C

Enter all roads, road intersections, and choke points into TACFIRE as possible armored vehicles.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

Copy No _____ of _____ copies
 1st Bn, 51st FA
 RIMBERG (NB326276) GER
 040115Z July _____

ANNEX F (FA SUPPORT PLAN) TO OPORD COSMIC--2d Bale, 23d Armd Div

Reference: Map, USACGSC 50-264, BAD HERSFELD-ALSFELD, edition
 1977, 1:50,000.

Time Zone Used Throughout the Plan: ZULU

1. SITUATION

a. Enemy Forces. We expect to face all calibers of Threat FA in our sector. At least three MRL battalions will also fire into our zone. The TA threat consists of counterbattery radars and direction-finding and sound and flash ranging units. We can expect 100 to 300 air sorties to be flown against us by both fixed- and rotary-wing aircraft. If we can survive the indirect fire and air threats, then we can worry about the ground threat later .

b. Friendly Forces. 23d Armd Div defends in sector. See OPLAN 6 and OPORD COSMIC.

c. Attachments .

See 2 (AN/TPQ-36) , Btry A (TA) , 23d FA: Att 1-51 FA

See 6 (AN/TPS-25A), Btry A (TA), 23d FA: Att 1-51 FA

Secs 1 and 2 AFSOs, 23d FA: OPCON 1-51 FA

2. MISSION

1-51 FA supports 2d Bde defense. Brigade will plan a 10-minute counterpreparation to be fired as the Threat attempts to force the FULDA.

3. EXECUTION

a. General. We have to transition from a grudging defensive struggle to a bold and aggressive counterattack. The 2d Bde commander, wants at least 40 percent of our ammo held back for the

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX F (FA SUPPORT PLAN) TO OPORD COSMIC--2d Bale, 23d Armd Div counterattack . Priority of fires to TF 1-14 Armor, on order 1-12 Armor . TF 1-14 Armor plans two 400-meter by 400-meter standard FA-delivered FASCAM minefield. TF 1-92 Mech plans one standard FASCAM minefield and brigade holds one minefield. Long-duration FASCAM release held at division. Execute only if enemy successfully crosses FULDA in strength. TF 1-14 Armor has three platoon FPFs and two priority targets. Copperhead priority to battalion scouts initially and then to TF 1-14 Armor. Counterfire priorities: indirect fires affecting MBA units, COPs, and RAGs.

b. Organization for Combat.

1-51 FA (155, SP): DS 2d Bde

2-636 FA (155, SP): (GSR 1-51 FA

c. Positioning. The battalion will displace by battery from forward supplementary positions. All batteries must be in position to support the battle hand-over, assisting the covering force in its disengagement. We expect a massive Threat artillery prep and 50 to 100 air sorties against us long before we see the ground attack. I want batteries to occupy positions that have maximum protection from indirect and air-to-ground fires. See Appendix 1 (FA Support Matrix).

d. Nuclear Fire Support.

(1) Nuclear release authority is retained at corps. 23d Armd Div nuclear subpackage A is in effect for planning.

(2) PNL :

$$\frac{0.2 \text{ KT}}{4} \quad \frac{1.0 \text{ KT}}{4}$$

e. Coordinating Instructions.

(1) Target Acquisition. See Appendix 2.

(2) Meteorology . Computer met sent by 23d Div Arty every 2 hours or when conditions dictate.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX F (FA SUPPORT PLAN) TO OPORD COSMIC--2d Bale, 23d Armd Div

(3) Target List. See brigade Annex F.

(4) Schedules. Appendix 3.

(5) Survey .

(a) RSO coordinate survey with 2-636 FA.

(b) Survey priorities: Cannons, radars, and
OPs/COLTS. See Appendix 1, FA Support Matrix.(6) Ammo Restrictions. FASCAM must be approved by
brigade commander. Illumination and HC smoke will be approved by
TF commanders.

4. SERVICE SUPPORT

- a. ATP: BSA (MA270280)
 ASP 997 (MB770101)
 ASP 999 (MA800935)
 SASP: BOMBACH (MA530746)

b.	CSR:	<u>D-DAY</u>	<u>S-DAY</u>
	M483A1 DPICM	204	190
	M485 ILLUM	10	10
	M449 ICM	15	15
	M549A1 RAP	25	20
	M107 HE	10	10
	M110 WP	10	10
	M116A1 HC SMOKE	10	10
	M712 COPPERHEAD	12	10
	M731 ADAM	2	2
	M741 RAAMS	7	7
	M4A2 WHITE BAG	210	190
	M3A1 GREEN BAG	140	120
	M119 CHARGE 8	25	20
	M557 PD	25	25
	M78 CP	10	10
	M577 TI	140	130
	M564 TX	30	30
	M565 T1	40	40
	M728 VT	40	40
	M732 VT	30	30

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

ANNEX F (FA SUPPORT PLAN) TO OPORD COSMIC--2d Bde, 23d Armd Div

5. COMMAND AND SIGNAL

a. Command.

(1) 2d Bde tactical CP at 377284, future location at 312268.

(2) 2d Bde main CP at 283302, future at 158283.

(3) 1-51 FA CP vic grid 3728.

(4) Div arty CP vic grid 2020.

b. Signal . Current SOI.

LANCE
LTC

OFFICIAL
/S/HANSEN
S3

APPENDIXES: 1--FA Support Matrix
2--Target Acquisition
3--Schedules

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 1 (FA SUPPORT MATRIX) TO ANNEX F (FA SUPPORT PLAN) TO
OPORD COSMIC--2d Bale, 23d Armd Div

	PL SABER TO FEB A		FEB A TO PL JAH		COUNTERATTACK
A/1-51	OCCUPY POS 10 AOF 1400	RECON POS 11	OCCUPY POS 11 AOF 1400		RECON POS 12
B/1-51	OCCUPY POS 20 AOF 1600	RECON POS 21	OCCUPY POS 21 AOF 1600		RECON POS 22
C/1-51	OCCUPY POS 30 AOF 1600	RECON POS 31	OCCUPY POS 31 AOF 1600		RECON POS 32
BN CP	OCCUPY POS 40 RECON POS 41	DISPLACE JUMP CP POS 41	MAIN CP OCCUPY POS 41 RECON POS 42	DISPLACE JUMP CP POS 42	RECON POS 43
COLT 1	OCCUPY POS C1	ZONE OF OBS AZ 1100-2400	OCCUPY POS C2	ZONE OF OBS AZ 0200-2000	OCCUPY POS C1
COLT 2	OCCUPY POS C4	ZONE OF OBS AZ 0900-2700	OCCUPY POS C5	ZONE OF OBS AZ 0800-2600	OCCUPY POS C4
RADAR SEC 2	OCCUPY POS R1	SEARCH SECTOR AZ 2200	OCCUPY POS R2	SEARCH SECTOR AZ 1800	
Q-36					
RADAR SEC 6	OCCUPY POS R3	SEARCH SECTOR AZ 2400	OCCUPY POS R4	SEARCH SECTOR AZ 1700	
TPS-25					

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 2 (TARGET ACQUISITION) TO ANNEX F (FA SUPPORT PLAN) TO
OPORD COSMIC--2d Bale, 23d Armd Div

References : Map, series M745, EUROPE, sheet 1 (LAUTERBACH -
STADTALLENDORF) , edition 1979, 1:50.000.
Map, series M745, EUROPE, sheet 1 (BERKA - FULDA) ,
edition 1979, 1:50,000.

Time Zone Used Throughout Plan: Zulu

1. PROCESSING. All counterfire targets will be sent to 1-51 FA
CP and then to div arty.

2. VISUAL OBSERVATION

a. Ground Observation. COLT: Copperhead priority to AVLBS
and enemy bridging assets before deployment.

(1) Located 50102950, zone of obs az 1100 to 2400 mils.

(2) Located 48302070, zone of obs az 0900 to 2700 mils.

FSO 1-92 Mech provides OPs at 463346 and 449302.

b. Aerial Observation. Sections 1 and 2 AFSOs OPCON to 1-51
FA.

(1) Section 1 OPCON to TF 1-14 Armor, report to TF FSO.

(2) Section 2 GS, report to 1-51 FA S2. Observation
priorities: bridging assets, movement support detachment, and
MRLs.

3. RADAR

a. AN/TPS-25A, Section 6, Btry A (TA), 23d FA: Attached to
1-51 FA. Priority of observation to TF 1-14 Armor, initial
location vic 4027, azimuth 2,400 mils.

b. AN/TPQ-36, Section 2, Btry A (TA) , 23d FA: Attached to
1-51 FA. Receive RDO from battalion S2. Initial position vic
4030, azimuth 2,200 mils. TF 1-14 Armor will provide initial
security.

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 2 (TARGET ACQUISITION) TO ANNEX F (FA SUPPORT PLAN) TO
OPORD COSMIC--2d Bale, 23d Armd Div

4. COORDINATION

- a. Brigade critical friendly zones are: TF 1-14 Armor CP; TF 1-92 Mech CP; brigade tactical CP; 1-51 FA CP; 2-636 FA CP; and Btry A, B, and C, 1-51 FA.
- b. Cueing Instructions. Q-36 radiates 0/0 of the battalion S2. Other acquisition assets (FIST, OPs, COLTS, FSOs) request radar coverage through the DS battalion CF.
- c. All observers submit visibility diagrams to the DS battalion S2.

TABS :

- A--COLTS Capability Overlay (omitted)
- B--Radar Deployment Order TPS-25 (omitted)
- C--Radar Deployment Order TPQ-36 (omitted)

(Classification)

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(Classification)

APPENDIX 3 (SCHEDULES) TO ANNEX F (FA SUPPORT PLAN) TO OPORD
COSMIC--2d Bde, 23d Armd Div

Reference: Map, series M745, EUROPE, sheet 1 (LAUTERBACH -
STADTALLENDORF), edition 1979, 1:50,000.

LINE NUMBER	FIRING UNIT	TARGET NUMBER	ROUNDS
Group A1C			
17	B/1-51	AC0017	24
18	A/1-51	AC0018	24
Group A2C			
19	A/1-51	AC0019	32
20	B/1-51	AC0020	32
28	C/1-51	AC0028	32

(Classification)

EXAMPLE OPERATION ORDER (CONTINUED)

(Classification)

APPENDIX 3 (SCHEDULES) TO ANNEX F (FA SUPPORT PLAN) TO OPORD
COSMIC--2d Bale, 23d Armd Div

LINE NUMBER	FIRING UNIT	TARGET NUMBER	ROUNDS
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Group A3C

21	B/1-51	AC0021	24
22	A/1-51	AC0022	24

Group A4C

23	B/1-51	AC0023	24
24	C/1-51	AC0024	24

Group A5C

25	B/1-51	AC0025	32
26	C/1-51	AC0026	32

Group A6C

32	C/1-51	AC0032	24
33	B/1-51	AC0033	24

Group A7C

34	B/1-51	AC0034	24
35	A/1-51	AC0035	24

Group A8C

36	A/1-51	AC0036	24
37	B/1-51	AC0037	24

Group A9C

38	B/1-51	AC0038	32
39	C/1-51	ACO039	32

* * * * *

Remarks:

Fire DPICM on all groups.

(Classification)